

20080121.ba v04\_n135.bam.20080121

>From ???@??? Mon Jan 21 15:32:39 2008 -0600  
Date: Mon, 21 Jan 2008 21:29:23 GMT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 4135  
Message-Id: <20080121213224.C3D0D4701A5@srvr1.theporch.com>

BOATANCHORS Digest 4135

Topics covered in this issue include:

- 1) Re: Radio ID Help  
by Robert Nickels <w9ran@oneradio.net>
- 2) Re: Radio ID Help  
by Jerry Proc <jerry7proc@yahoo.com>
- 3) Re: Bird Dummyload  
by wb3fau@att.net
- 4) "Funky" Polish Language Tube Site  
by Jerry Proc <jerry7proc@yahoo.com>
- 5) Re: "Funky" Polish Language Tube Site  
by "Arden Allen" <gumbear@pacbell.net>
- 6) contact cleaner question  
by "Chuck Grandgent" <chuck@chuckg.com>
- 7) Re: contact cleaner question  
by WA5CAB@cs.com
- 8) MF Station - Complete - Free!  
by Richard Dillman <ddillman@igc.org>
- 9) RE: MF Station - Complete - Free! - NOT!  
by "Meir-WF2U" <wf2u@ws19ops.com>
- 10) Re: "Funky" Polish Language Tube Site  
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 11) Capacitor replacement quandary (micamolds)  
by "Al Parker" <anchor@ec.rr.com>
- 12) Re: Capacitor replacement quandary (micamolds)  
by WA5CAB@cs.com
- 13) manual/schematic SB301  
by wb3fau@att.net
- 14) Re: Capacitor replacement quandary (micamolds)  
by Al Klase <al@ar88.net>
- 15) Re: Radio ID Help  
by "k4pf@juno.com" <k4pf@juno.com>
- 16) Re: "Funky" Polish Language Tube Site  
by wb3fau@att.net
- 17) Re: "Funky" Polish Language Tube Site  
by Jerry Proc <jerry7proc@yahoo.com>
- 18) Yokogawa Wheatstone Bridge

by "Chuck Grandgent" <chuck@chuckg.com>

-----  
Message-ID: <4792DCB1.8060809@oneradio.net>  
Date: Sat, 19 Jan 2008 23:31:29 -0600  
From: Robert Nickels <w9ran@oneradio.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Radio ID Help  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

Jerry Proc wrote:

>  
> BTW , A2 modulation is also known as ICW mode.  
>  
>

Jerry and all - I have a question about that. Since some of these transmitters were designed for CW only, how do they do the MCW modulation? I'm guessing something like grid modulation? I know of at least one Federal 167B that's on AM, using an external plate modulator, so I assume whatever was built-in to these transmitters for MCW isn't very suitable for general phone use.

73, Bob W9RAN

-----  
Date: Sun, 20 Jan 2008 12:12:09 -0500 (EST)  
From: Jerry Proc <jerry7proc@yahoo.com>  
Subject: Re: Radio ID Help  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit  
Message-ID: <44517.25381.qm@web90612.mail.mud.yahoo.com>

Hi Bob,

It looks like either of two modulation methods can be used for ICW. I can offer two examples:

1) The first is the Mackay Type 2009\_A, a 250 watt transmitter. See:  
[http://www.jproc.ca/test/mackay\\_2009-a\\_schematic.jpg](http://www.jproc.ca/test/mackay_2009-a_schematic.jpg)

Although only one 812 tube is shown on the schematic in the osc/modulator stage (lower right), the text says there are a pair of 812 triodes operating as a modulator/oscillator then plate modulating the final. Regulations require that an SOS transmitted in ICW on 500 KHz be at least 70% modulated but not over 100%. The frequency of the modulating tone must be between 450 and 1250 Hz.

2) Example #2 is the Canadian Marconi PV-500, a 500 watt transmitter. A single 807 (V4) is used to grid modulate the finals according to the explanation in the manual.

[http://www.jproc.ca/marconi/pv500hm\\_schematics.pdf](http://www.jproc.ca/marconi/pv500hm_schematics.pdf)

Hope that clarifies it.

P.S. Since we are talking about Marine radio, here is a photo of the radio room aboard the SS John Brown Libery ship showing the RCA Radiomarine 3U console  
<http://www.jproc.ca/ve3fab/jbradrm.html>

--- Robert Nickels <w9ran@oneradio.net> wrote:

```
> Jerry Proc wrote:
>
> >
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> >
> >
>
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> transmitters were designed for CW only, how do they
> do the MCW
> modulation? I'm guessing something like grid
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> least one Federal 167B that's on AM, using an
> external plate modulator,
> so I assume whatever was built-in to these
> transmitters for MCW isn't
> very suitable for general phone use.
>
> 73, Bob W9RAN
```

>

--

Regards,  
Jerry Proc  
E-mail: jerry7proc@yahoo.com

Looking for the perfect gift? Give the gift of Flickr!

<http://www.flickr.com/gift/>

-----  
From: wb3fau@att.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: wg davis <wgdavis@ipass.net>  
Subject: Re: Bird Dummyload  
Date: Mon, 21 Jan 2008 00:24:11 +0000  
Message-Id:  
<012120080024.14600.4793E62B000ADFD80000390822216128369B0A02D29B9B0EBF9A0E00CC0D99@att.net>

transformer oil is your best bet. try your local oil supplier, its not cheap.

-----  
Date: Sun, 20 Jan 2008 20:07:43 -0500 (EST)  
From: Jerry Proc <jerry7proc@yahoo.com>  
Subject: "Funky" Polish Language Tube Site  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit  
Message-ID: <210467.18962.qm@web90604.mail.mud.yahoo.com>

Hello Everyone,

This is a Polish language only web site, however many of you will see vacuum tubes in designs that go beyond your wildest imagination.

[http://www.audiostereo.pl/forum\\_wpisy.html?temat=6668&all=1](http://www.audiostereo.pl/forum_wpisy.html?temat=6668&all=1)

If anyone in the group is fluent in Polish, perhaps you can enlighten the rest of us as to what is being presented in this audiophile site. I'm having trouble figuring out if the tubes are functional or just

decorational in many cases.

--

Regards,  
Jerry Proc  
E-mail: jerry7proc@yahoo.com

Be smarter than spam. See how smart SpamGuard is at giving junk email the boot with the All-new Yahoo! Mail. Click on Options in Mail and switch to New Mail today or register for free at <http://mail.yahoo.ca>

-----  
Message-ID: <001101c85bd5\$6b40a720\$f19f480c@KB6NAX>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Funky" Polish Language Tube Site  
Date: Sun, 20 Jan 2008 18:29:06 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> .....designs that go beyond  
> your wildest imagination.  
>  
> [http://www.audiostereo.pl/forum\\_wpisy.html?temat=6668&all=1](http://www.audiostereo.pl/forum_wpisy.html?temat=6668&all=1)  
> .....

Boutique audio is what it is. How they sound is another matter (where do you get boutique ears?). You can use a translation website such as:

>>>[http://www.translation-guide.com/free\\_online\\_translators.php?from=Polish&to=English](http://www.translation-guide.com/free_online_translators.php?from=Polish&to=English)<<<

For example,

"Na dobry poczatek - wzmacniacz na 75TL. Moze sie podobac lub nie, ale z pewnoscia wyglada niestandardowo:"

translates to:

"To goods setout preamplifier to 75TL. May yourselves item or not , whereas without question looks like unstandardized:"

Arden Allen  
KB6NAX

-----  
Message-ID: <a913924b0801201831n7a5995derb86c22e9063e5508@mail.gmail.com>  
Date: Sun, 20 Jan 2008 21:31:57 -0500  
From: "Chuck Grandgent" <chuck@chuckg.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: contact cleaner question  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_Part\_12801\_14874372.1200882717793"

-----=\_Part\_12801\_14874372.1200882717793  
Content-Type: text/plain; charset=UTF-8  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

"..... Quick penetrating, zero residue contact cleaner removes oils,  
greases, grime, dirt silicones, fluxes and other contaminants. Evaporates  
quickly. Safe on plastics and metal materials. Ozone friendly containing no  
CFCs or HCFCs....."

The question is, where does the "oils, greases, grime, dirt, etc" go ?  
Does it evaporate with the other stuff ???

Chuck, K10M

-----=\_Part\_12801\_14874372.1200882717793  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_Part\_12801\_14874372.1200882717793--

-----  
From: WA5CAB@cs.com  
Message-ID: <bcd.1d6d7aa4.34c57937@cs.com>  
Date: Sun, 20 Jan 2008 23:27:35 EST  
Subject: Re: contact cleaner question  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;

boundary="part1\_bcd.1d6d7aa4.34c57937\_boundary"

--part1\_bcd.1d6d7aa4.34c57937\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Good question. Probably down the black hole accessory available at a slight extra cost. :-)

The "Ozone friendly" claim is also misleading in that it implies that products containing CFC's aren't "Ozone friendly". This claim was debunked years ago. But not soon enough to prevent serious degradation of all ground and vehicular mount air conditioning systems.

In a message dated 1/20/2008 8:34:49 PM Central Standard Time, chuck@chuckg.com writes:

> "..... Quick penetrating, zero residue contact cleaner removes oils,  
> greases, grime, dirt silicones, fluxes and other contaminants. Evaporates  
> quickly. Safe on plastics and metal materials. Ozone friendly containing no  
> CFCs or HCFCs....."  
>  
> The question is, where does the "oils, greases, grime, dirt, etc" go ?  
> Does it evaporate with the other stuff ???  
>

Robert & Susan Downs - Houston  
<<http://www.wa5cab.com>> (Web Store)  
MVPA 9480  
<[wa5cab@cs.com](mailto:wa5cab@cs.com)> (Primary email)  
<[wa5cab@comcast.net](mailto:wa5cab@comcast.net)> (Backup email)

--part1\_bcd.1d6d7aa4.34c57937\_boundary  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1\_bcd.1d6d7aa4.34c57937\_boundary--





From: owner-boatanchors@theporch.com =  
[mailto:owner-boatanchors@theporch.com]  
On Behalf Of Richard Dillman  
Sent: Monday, January 21, 2008 3:42 AM  
To: Old Tube Radios  
Subject: MF Station - Complete - Free!

For those of you who have or are thinking about applying for your own =  
coast  
station license (a la KSM, KDR abd KFT) here=E4s a complete Mackay ship =  
radio  
console still in the crate available for the taking...

<http://delaware.craigslist.org/ele/529088188.html>

RD

[illegible]

No virus found in this incoming message.  
Checked by AVG Free Edition.=20  
Version: 7.5.516 / Virus Database: 269.19.7/1233 - Release Date: =  
1/19/2008  
6:37 PM  
=20

No virus found in this outgoing message.  
Checked by AVG Free Edition.=20  
Version: 7.5.516 / Virus Database: 269.19.7/1233 - Release Date: =  
1/19/2008  
6:37 PM  
=20

Date: Mon, 21 Jan 2008 09:19:36 -0500 (EST)  
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>  
Message-Id: <200801211419.m0LEJa3o027686@fracas.netboobie.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Funky" Polish Language Tube Site

On Jan 20, 2008 9:29 PM, Arden Allen <gumbear@pacbell.net> wrote:

> .....designs that go beyond  
> your wildest imagination.  
>  
> [http://www.audiostereo.pl/forum\\_wpisy.html?temat=6668&all=1](http://www.audiostereo.pl/forum_wpisy.html?temat=6668&all=1)  
> .....

Boutique audio is what it is. How they sound is another matter (where do you get boutique ears?). You can use a translation website such as:

WOW do those people go to appearance extremes! My hat's off to many of them for their gorgeous-looking work.

Also big thanks Jerry because I believe I just saw my 1st single-plate 2A3s. And as many recognize, the tubes are mostly OT US & west european.

Arden, On Polska xlate. I tried Babbelfish on the 75TL design & came up with

"I had one grunch but the eggplant over there"

-----  
Message-ID: <0f7c01c85c3f\$86766420\$6401a8c0@reloaded>  
From: "Al Parker" <anchor@ec.rr.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Capacitor replacement quandary (micamolds)  
Date: Mon, 21 Jan 2008 10:08:48 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
    format=flowed;  
    charset="iso-8859-1";  
    reply-type=original  
Content-Transfer-Encoding: 7bit

Hi folks,

Micamolds are paper, they're lousy in the URM-25 sig. gen.s, etc.

I'm working on a Millen 92105 Sideband Adapter, something that's not found often. First off, if anyone can help me with a schematic, I'd be greatly appreciative. There is a little info out there on it, but no skem. that I found. I've re-stuffed the 2x20mf@450v filter cap, put in a 3-wire line cord, and powered it up slowly and briefly, after close inspection. It has signs of life, but low B+ at the tube pins, largely due to leaky

micamolds, some of which got warm rather quickly. The wiring and components are very compact and it'll be a challenge to do a nice neat job of any replacements.

My quandary is: what should I use to replace the micamolds? Normally I don't worry much about using "modern" disc ceramics to replace old BBOD's, brown waxy papers, etc., but this is a unique piece of eqpt. Some guys will re-stuff the brown waxy paper jobs to make things look original, but that's not feasible for micamolds, and might not back fit in easily, it's so tight. Those that I can see the markings on are .01's. I have some small, brownish, .01 discs, should I just use them, at least they're not glaring orange like some are, and will fit nicely in the larger spaces left by the M-M's.

I'm interested in opinions & suggestions, and hope there'll be no offense taken if I don't follow yours.

I've been having fun for the last week or so going thru and comparing several different SB adapters. Using an SP-600 as the IF provider.

tnx, 73,

Al, W8UT

New Bern, NC

[www.boatanchors.org](http://www.boatanchors.org)

[www.hammarlund.info](http://www.hammarlund.info)

-----  
From: WA5CAB@cs.com

Message-ID: <d54.211bdb78.34c61493@cs.com>

Date: Mon, 21 Jan 2008 10:30:27 EST

Subject: Re: Capacitor replacement quandary (micamolds)

To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="part1\_d54.211bdb78.34c61493\_boundary"

--part1\_d54.211bdb78.34c61493\_boundary

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Al,

What I usually do is use new 630 volt metalized polypropylene or polyester types. If the original was axial lead tubular, I use axial lead tubular. If the original was axial lead flat pack like the micamolds, I use an axial lead flat pack. I never went to this much trouble but I suppose that you could paint them brown and have some rubber stamps made with the ratings. But if you do, be sure you use stencil ink, not stamp pad or stamper ink. The latter will never dry.

Reasoning on package type is that if the original fit, the replacement of the

same general type should. And 630 volt pretty much across the board so that the replacement isn't so much smaller than the original.

There are probably none of these in the Millen but for the flat packs with the radial terminals molded in that are mounted to the unit with two screws, you usually need some sort of insulated mounted terminals to which to attach the replacement anyway. So I hollow out the back of the package (hidden) and mount the replacement in the hollow. Just be sure to make a good mechanical joint between the capacitor leads and the terminals inside the package as when you are soldering the wires back to the external package terminals you may temporarily re-melt the solder on the joints inside. Probably a good idea anyway to tie the package down with one screw, attach the wires, and then lift the package back up and have a look.

In a message dated 1/21/2008 9:10:10 AM Central Standard Time, anchor@ec.rr.com writes:

> Micamolds are paper, they're lousy in the URM-25 sig. gen.s, etc.  
> I'm working on a Millen 92105 Sideband Adapter, something that's not  
> found often. First off, if anyone can help me with a schematic, I'd be  
> greatly appreciative. There is a little info out there on it, but no skem.  
> that I found. I've re-stuffed the 2x20mf@450v filter cap, put in a 3-wire  
> line cord, and powered it up slowly and briefly, after close inspection. It  
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> brownish, .01 discs, should I just use them, at least they're not glaring  
> orange like some are, and will fit nicely in the larger spaces left by the  
> M-M's.  
>

Robert Downs - Houston  
<<http://www.wa5cab.com>> (Web Store)  
MVPA 9480  
<[wa5cab@cs.com](mailto:wa5cab@cs.com)> (Primary email)

<wa5cab@comcast.net> (Backup email)

--part1\_d54.211bdb78.34c61493\_boundary  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
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*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1\_d54.211bdb78.34c61493\_boundary--

-----  
From: wb3fau@att.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: manual/schematic SB301  
Date: Mon, 21 Jan 2008 16:57:18 +0000  
Message-Id:  
<012120081657.7299.4794CEEE000CA81C00001C8322230650029B0A02D29B9B0EBF9A0E00CC0D99@att.net>

Anyone have manual/schematic for an SB301? Send it to me I will copy, or I will pay for same? Russ.

-----  
Message-ID: <4794D1CB.8090200@ar88.net>  
Date: Mon, 21 Jan 2008 12:09:31 -0500  
From: Al Klase <al@ar88.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Capacitor replacement quandary (micamolds)  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

Hi Al,

I understand your quandary. We're all just temporary caretakers of these relics. I think you're absolutely right in wanting to make the thing play again like it came out of the factory. I wouldn't be too concerned exactly what caps I used, even Orange Drops. I would, however, leave a couple of the originals in a baggy with the set, and

try not to mess up the original construction. I like to cut the old components out close to their bodies, and twist tight coils in the new leads and sleeve them over the old. This way, if some guy in 2162 decides he just has to install computer-cloned exact-replica Mica Mold copies, he won't be cursing me for screwing things up. (I have no chance of replicating the careful work of the little lady who wired the original. She'd already done five others that morning.) See: [http://www.skywaves.ar88.net/commrx/Maintenance/Compempl/component\\_replacement.htm](http://www.skywaves.ar88.net/commrx/Maintenance/Compempl/component_replacement.htm) for some tips.

The alternative is a pristine radio that says nothin',

73,

Al

Al Parker wrote:

> Hi folks,  
> Micamolds are paper, they're lousy in the URM-25 sig. gen.s, etc.  
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> might not back fit in easily, it's so tight. Those that I can see the  
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> I've been having fun for the last week or so going thru and  
> comparing several different SB adapters. Using an SP-600 as the IF  
> provider.  
> tn timer, 73,  
> Al, W8UT  
> New Bern, NC  
> [www.boatanchors.org](http://www.boatanchors.org)  
> [www.hammarlund.info](http://www.hammarlund.info)  
>  
>

--

Al Klase - N3FRQ  
Flemington, NJ  
<http://www.skywaves.ar88.net/>

-----  
Mime-Version: 1.0  
From: "k4pf@juno.com" <k4pf@juno.com>  
Date: Mon, 21 Jan 2008 17:43:45 GMT  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com,  
boatanchors@theporch.com  
Subject: Re: Radio ID Help  
Message-Id: <20080121.124345.1123.0@webmail04.vgs.unttd.com>  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline  
Content-Type: text/plain; charset=us-ascii

Hi

I don't know the specifics of the Mackay console  
shown in the photo, but I know the Mackay MF console =

built in the 1960's and later had a modulator with a pair of 4CX250B's  
plate modulating the pair of 813's for modulated c.w.(A-2 mode).

They used one or two miniature tubes (perhaps a 6U8A)  
as an audio phase shift oscillator/phase splitter driver,  
driving the 4CX250B's in Class AB1. The modulation transformer  
was large and hermetically sealed. Relay contacts  
shorted out the modulation transformer secondary during A-1 mode.

During A-2 operation, the carrier was keyed simultaneously =

with the audio, unlike the keyed modulation/constant carrier =

used in radio direction finder beacon transmitters.

73,  
Ed Knobloch

-- Robert Nickels <w9ran@oneradio.net> wrote:

<snip> - I have a question about that. Since some of these =

transmitters were designed for CW only, how do they do the MCW =

modulation? I'm guessing something like grid modulation? I know of at=

=

least one Federal 167B that's on AM, using an external plate modulator, =

so I assume whatever was built-in to these transmitters for MCW isn't =  
very suitable for general phone use.

-----  
From: wb3fau@att.net  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: stuck in 50s <polepeeg@aa4rm.ba-watch.org>  
Subject: Re: "Funky" Polish Language Tube Site  
Date: Mon, 21 Jan 2008 18:35:37 +0000  
Message-Id:  
<012120081835.19366.4794E5F9000292A000004BA622228869349B0A02D29B9B0EBF9A0E00CC0D99@att.net>

We are having "pigs in the blanket" for supper...Russ Dworakowski, sorry, not  
fluent in  
Polish landguage.

-----  
Date: Mon, 21 Jan 2008 15:58:53 -0500 (EST)  
From: Jerry Proc <jerry7proc@yahoo.com>  
Subject: Re: "Funky" Polish Language Tube Site  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit  
Message-ID: <302121.79712.qm@web90613.mail.mud.yahoo.com>

Hi Marty,

--- stuck in 50s <polepeeg@aa4rm.ba-watch.org> wrote:  
I tried Babbelfish on the  
> 75TL design & came up  
> with  
>  
> "I had one grunch but the eggplant over there"

For the most part, these language translators are  
useless in my estimation. Occasionally they provide  
some meaning for a short phrase or sentence but  
otherwise, human language translators need not fear of



automation stealing their jobs!

Of the most common languages, I use German to English translation occassionally when I encounter technical articles on the web. Generally, the quality is so poor it produces a chucle if anything else :-)

--

Regards,  
Jerry Proc  
E-mail: [jerry7proc@yahoo.com](mailto:jerry7proc@yahoo.com)

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Mail: <http://mail.yahoo.ca>

-----  
Message-ID: <a913924b0801211329x3114ed791134358113c803d4b@mail.gmail.com>  
Date: Mon, 21 Jan 2008 16:29:06 -0500  
From: "Chuck Grandgent" <[chuck@chuckg.com](mailto:chuck@chuckg.com)>  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Subject: Yokogawa Wheatstone Bridge  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_Part\_18039\_30078368.1200950946453"

-----\_Part\_18039\_30078368.1200950946453  
Content-Type: text/plain; charset=UTF-8  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Very satisfying project this afternoon.  
I've had this Yokogawa Wheatstone Bridge for many years, but could never get it to work, and at one point I remember I decided the galvanometer was no good.

Spent a little time with it this weekend, verified the meter was OK, but still couldn't get it to work.  
This afternoon I found one of the spring blades for one of the pushbutton switches wasn't making contact.  
A little encouragement from a screwdriver has that switch working fine.

Seems very accurate, especially with the .001 multiplier.  
Seems more accurate and certainly higher resolution than my DVM.

<http://www.chuckg.com/Wheatstone.htm>

Chuck, K10M, Alachua, FL

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Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
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\* \* \* \* \*

-----=\_Part\_18039\_30078368.1200950946453--

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End of BOATANCHORS Digest 4135  
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